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WIRING POWER PLUG FOR MODEL 750

The 3-way power supply may be operated from any one of 5 different power systems; 115 VAC; 6 VDC positive ground, 6 VDC negative ground, 12 VDC positive ground, 12 VDC negative ground. Depending upon voltage to be used, connect the jumper wires to the plug as indicated below.

Remove the cover from the power plug by removing the two retainer pins and then separating cover and base. The sketches below are of the connection side of the plug base. Use the #18 buss wire supplied to make jumpers. Where jumpers cross and there is danger of a short, use a length of the insulating sleeving over the wire.

Part #150-174

115 VAC

115 VAC to pins 1 and 4

Jumper pins 2 and 3

Jumper pins 13 and 18

6 VDC Neg. Gnd.

/ 6VDC to RMO

-6VDC Gnd. to pin 15 brown and pin 1 red

Jumper pins 11 to 12 to 14 to 15 to 18

Jumper pins 2 to 5 to 17

Jumper pins 7 to 8

Jumper pins 6 to 9

Jumper pins 10 to 16

12 VDC Neg. Gnd.

/12 VDC to RMO

-12 VDC Gnd. to pin 15 brown and to pin 1 red

Jumper pins 10 to 14 to 15

Jumper pins 7 to 8 to 16

Jumper pins 2 to 5 to 18

Jumper pins 6 to 9

6VDC Pos. Gnd.

-6VDC to RMO

/ 6VDC Gnd. to pin 15 red/1 br.

Jumper pins 9 to 12 to 15 to 18

Jumper pins 6 to 11 to 14

Jumper pins 2 to 5 to 17

Jumper pins 7 to 8

Jumper pins 10 to 16

12VDC Pos. Gnd.

-12 VDC to RMO

/12VDC Gnd. to pin 15 red/1 br.

Jumper pins 6 to 10 to 14

Jumper pins 7 to 8 to 16

Jumper pins 2 to 5 to 18

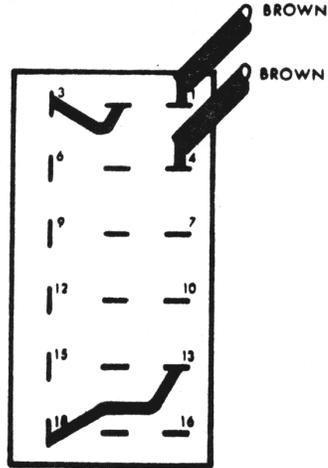
Jumper pins 9 to 15

NOTE: Battery voltage connects to the RMO console unit, the two cables from the transceiver plug both go to ground.

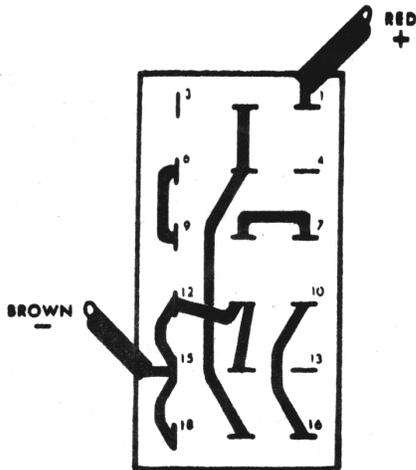
POWER PLUG WIRING

(ALL VIEWS FROM BACK OF PLUG)

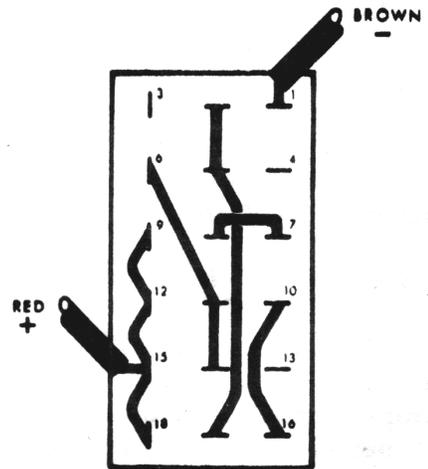
115 VAC



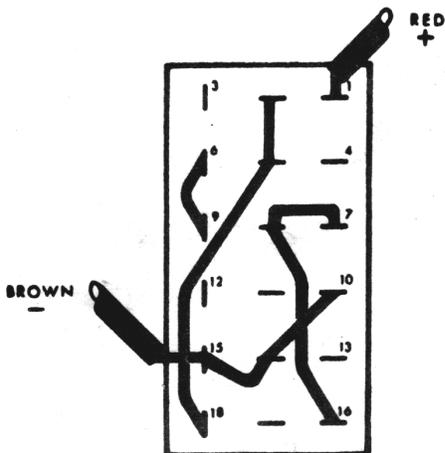
6 VDC Neg Gnd



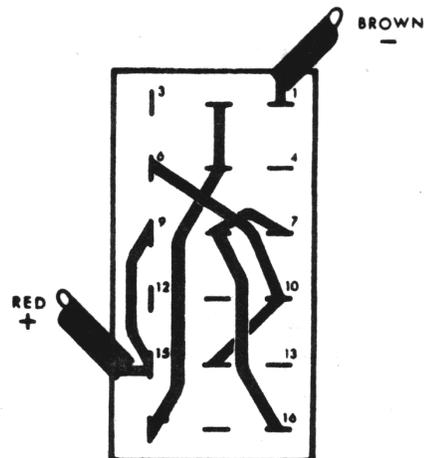
6 VDC Pos Gnd



12 VDC Neg Gnd



12 VDC Pos Gnd



SECTION III

INSTALLATION OF RMO CONSOLE

If the RMO Unit is to be used in a mobile installation fasten the RMO cover to Mobile Mount Section A as shown in Fig. 9. Section B is then fastened to the bottom section of the dashboard in the vehicle.

The transceiver is usually placed in the trunk compartment of the vehicle.

After the units are mounted it will be necessary to connect the antenna transmission line to the antenna connector on the transceiver.

For 115 VAC operation use the regular 115 VAC power cable for your transceiver. Interconnect the RMO Unit and the transceiver with the two 15' black wires.

These wires are fed through the grommet on the front panel and one wire is inserted into the red terminal bushing and the other in the black terminal bushing.

The other end of these wires are fed through the grommet in the back panel of the RMO Unit and inserted into the black and red terminal bushings as in the transceiver. It is unnecessary to observe polarity.

For 6 VDC operation use the regular 6 V power cable for your transceiver and connect both the red and brown wires to the car body.

Feed both black wires through the grommet on the transceiver front panel and insert both into the red terminal bushing. The other ends of these wires are inserted into the red terminal bushing on the RMO Unit and another wire is inserted into the black terminal bushing. The other end of this wire is connected to the hot side of the battery.

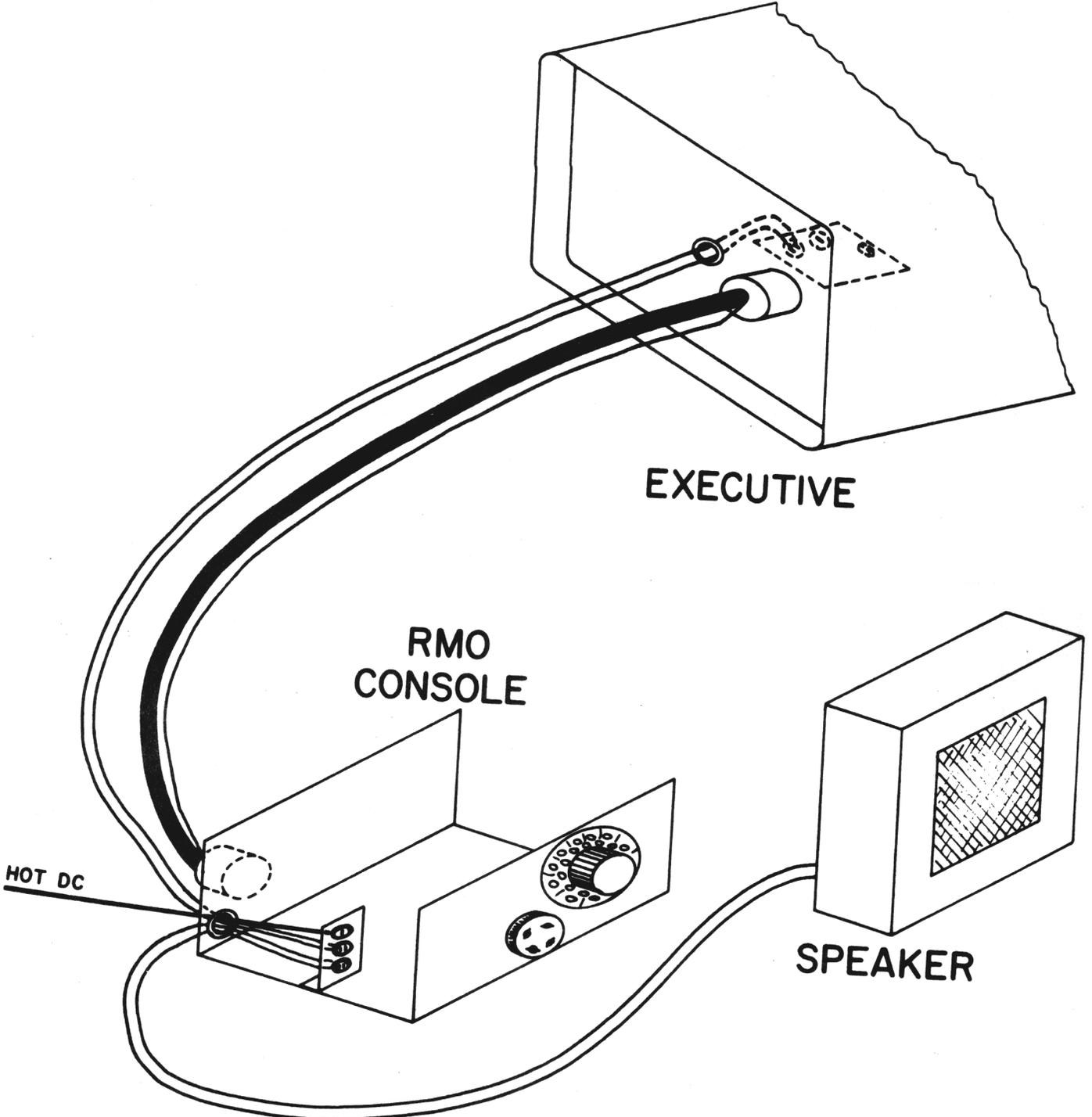
For 12 VDC operation connect the same as described for 6 V operation except use the 12 VDC power cable for your transceiver. The routing of these wires can follow the same routing as the main interconnecting power cable.

Due to the size of the power cable the easiest way to route this cable from the front seat area to the trunk compartment is from the RMO unit to the firewall, down the firewall to the left side of the drive line hump under the floor mat along the edge next to door sill and into the trunk compartment.

After the unit is installed and all interconnections are made slip the RMO unit out of the case and connect speaker to terminals in green terminal bushing in RMO unit. Turn unit on, switch channel selector to desired channel and set RMO volume control half open. Set volume control on Executive for desired listening level. Peak the antenna coil on the converter board for best signal to noise ratio. This completes installation of RMO unit.

SHORT FORM OPERATING CHART

FUNCTION	CONTROL or CONNECTOR
Connect Antenna	ANT connector on transceiver rear panel
Connect power cord of desired voltage	POWER connector on transceiver rear panel
Connect 11 pin cable	Between RMO and transceiver
Connect two jumper wires	Between RMO and transceiver terminal bushings
Connect Hot DC jumper	Between RMO terminal bushing and hot DC voltage
Connect Speaker	To RMO green terminal bushings
Turn Squelch off	SQUELCH on RMO front panel
Turn set power ON and set volume level	VOLUME on RMO front panel
Connect microphone	MIC connector on RMO front panel
Set HI-LO switch to desired range	HI-LO on RMO front panel LO- 1 through 12 HI- 13 through 23
Transmit by pushing button on microphone	Push-to-talk button on microphone

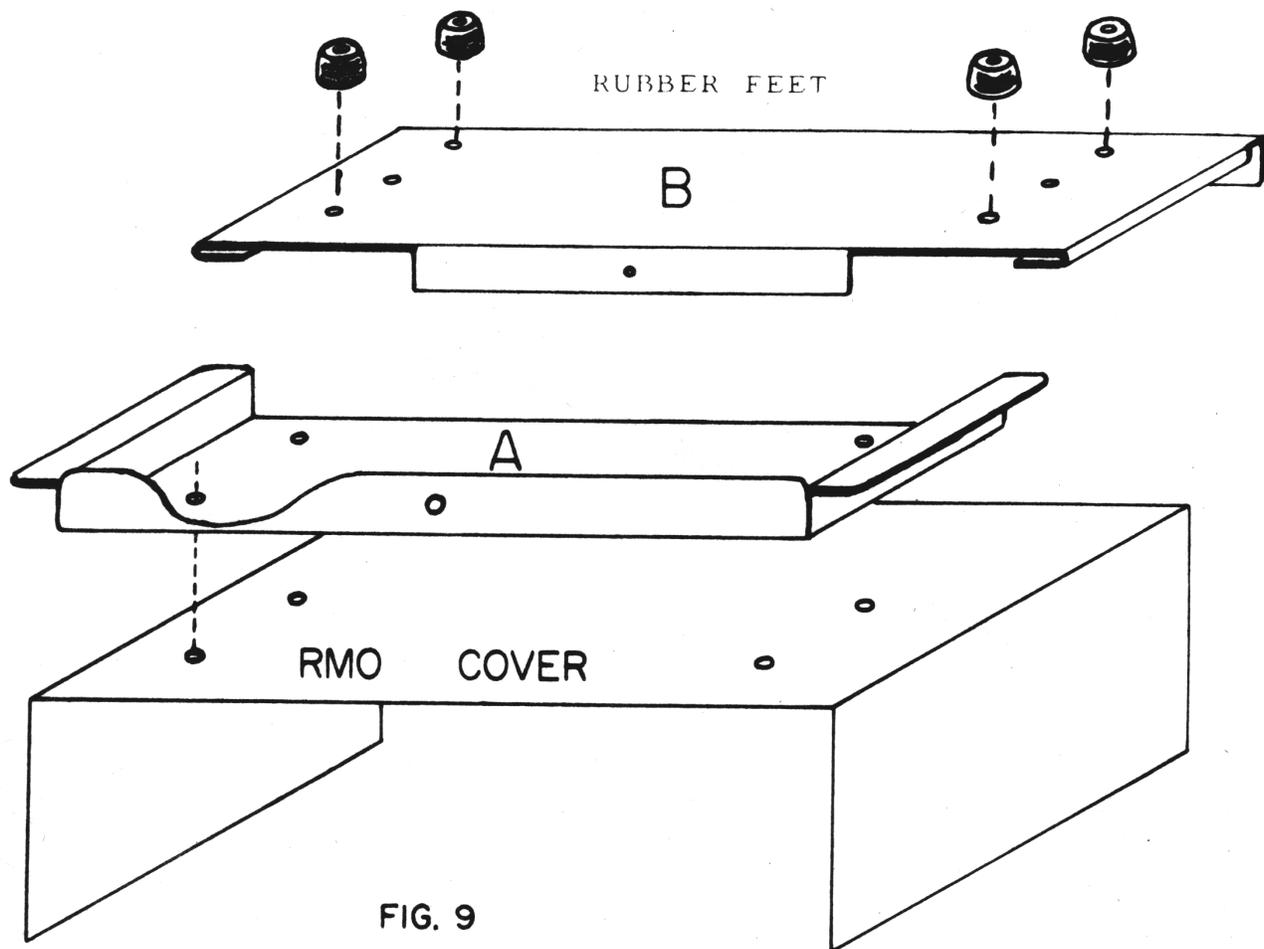


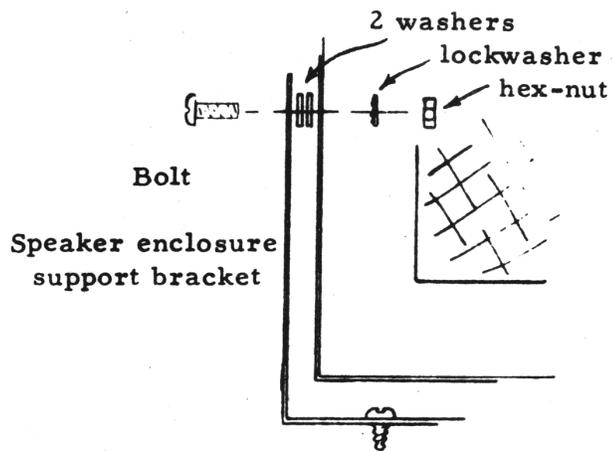
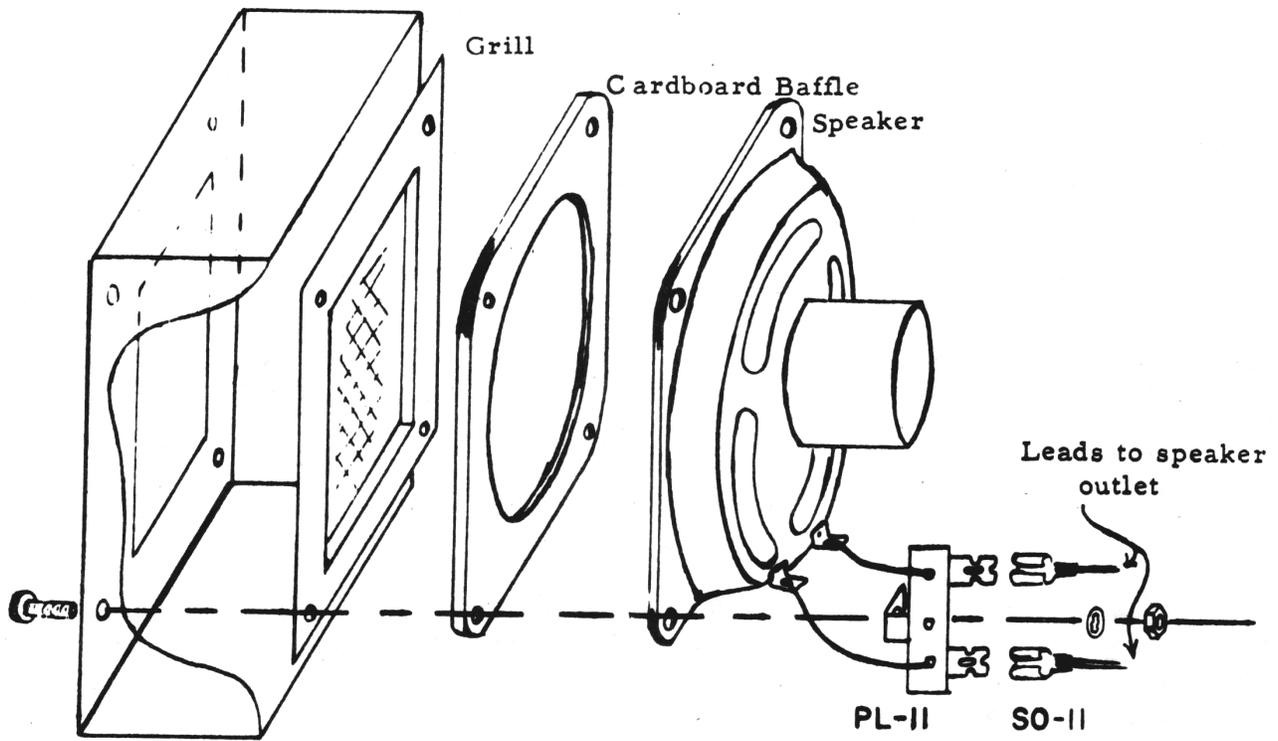
EXECUTIVE

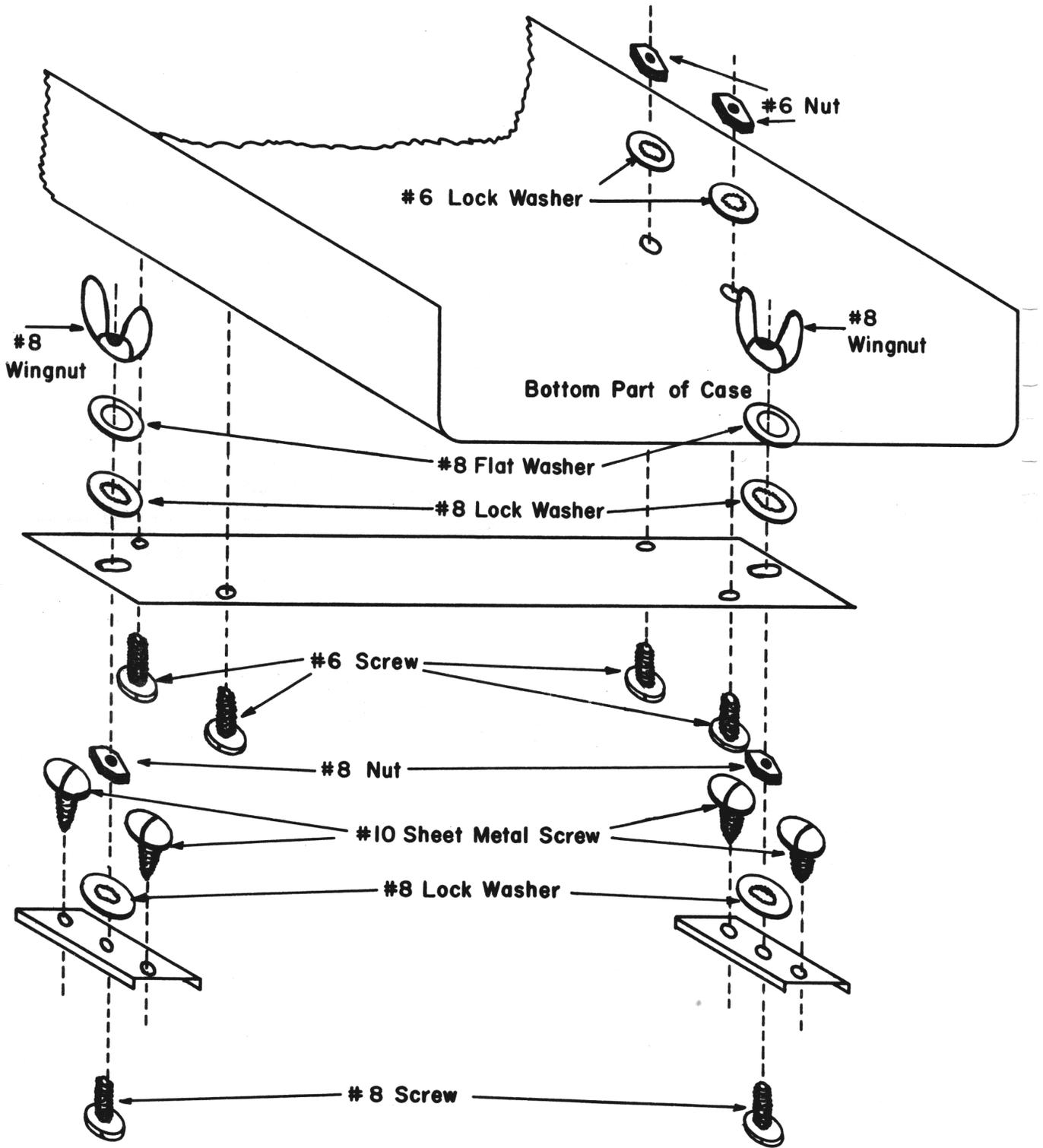
RMO
CONSOLE

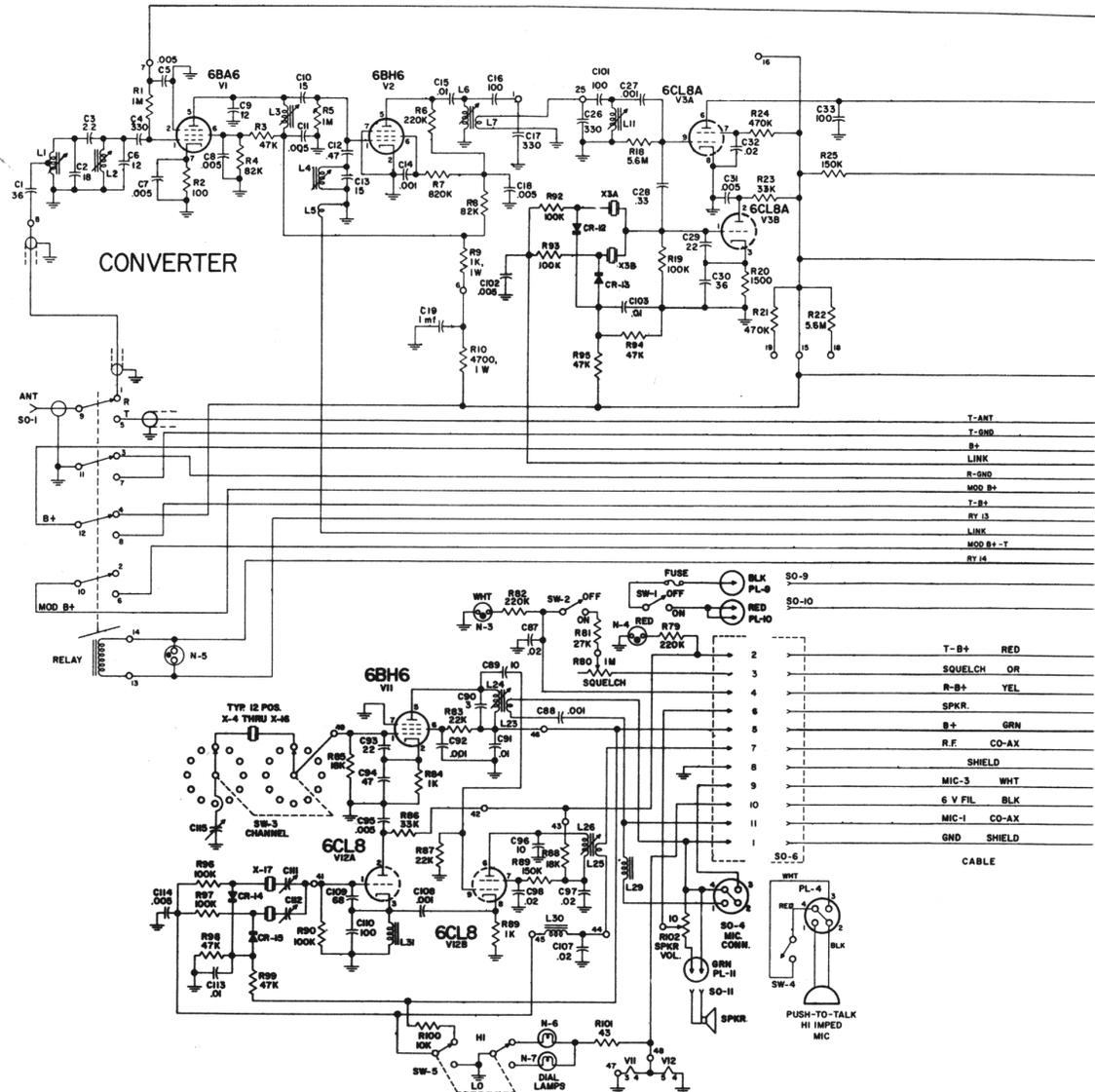
HOT DC

SPEAKER









CONVERTER

6BH6

6CL8

6CL8

6CL8

6BH6

6CL8

T-ANT
T-5ND
B+
LINK
R-5ND
MOD B+
T-8+
RT 13
LINK
MOD B+ - T
RT 14

SO-9
SO-10

2
3
4
5
6
7
8
9
10
11

T-B+
SQUELCH OR
R-B+
SPKR.
B+
R.F. CO-AX
SHIELD
MIC-3 WHT
6 V FIL BLK
MIC-1 CO-AX
GND SHIELD

SO-6
SO-7
SO-8
SO-9
SO-10

REG
PL-4
BLK

SW-4
SW-5

SPKR
SPKR VOL
SPKR

PL-2
PL-1
PL-3

SO-4
SO-5
SO-6
SO-7
SO-8
SO-9
SO-10

SPKR
SPKR VOL
SPKR

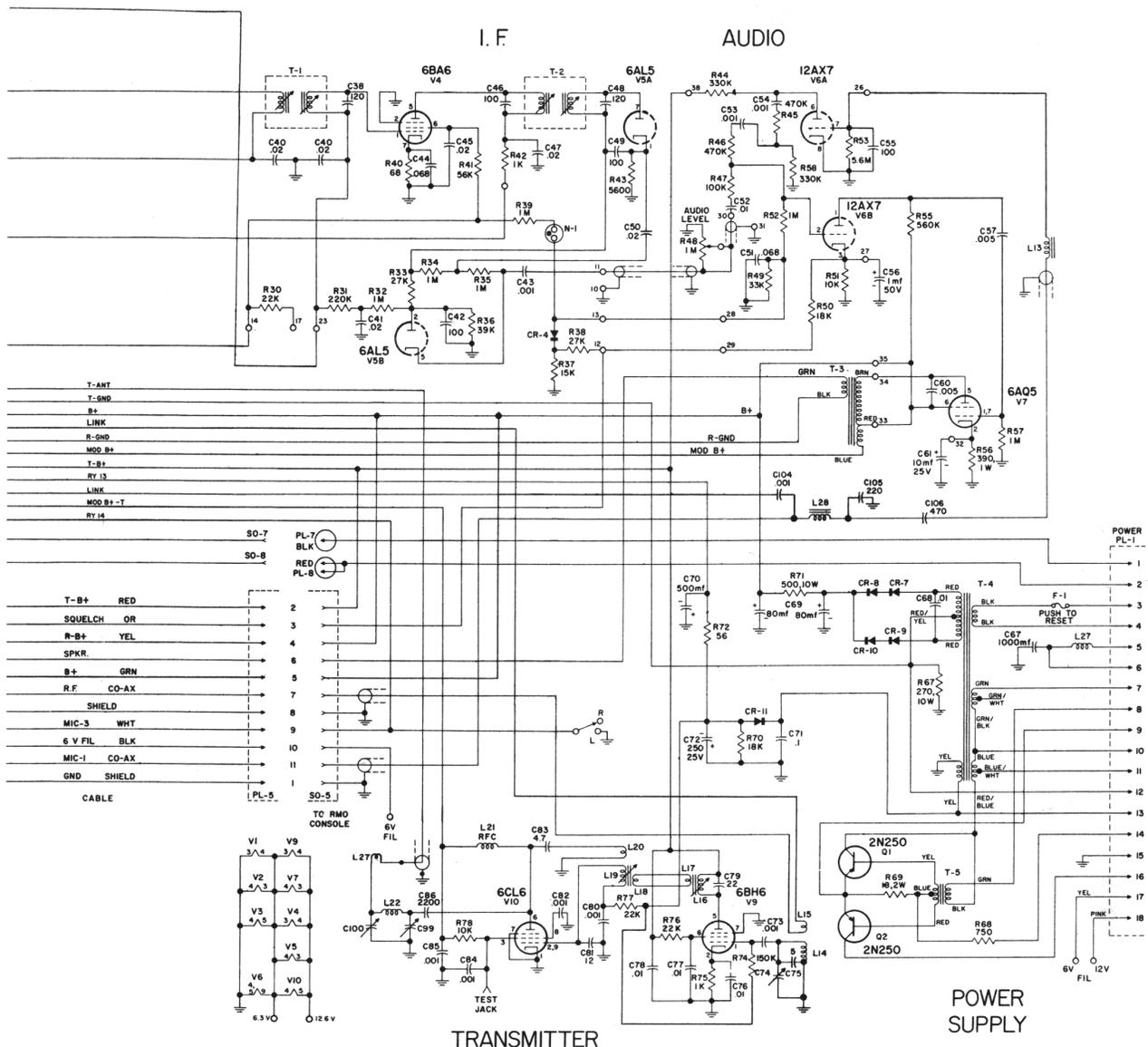
PL-2
PL-1
PL-3

SO-4
SO-5
SO-6
SO-7
SO-8
SO-9
SO-10

SPKR
SPKR VOL
SPKR

PL-2
PL-1
PL-3

SO-4
SO-5
SO-6
SO-7
SO-8
SO-9
SO-10



EXECUTIVE
MODEL 750
 DRAWN BY: *[Signature]* CHECKED BY: *[Signature]*
 DATE: 11/8/63 DATE: 11/8/63
 INTERNATIONAL CRYSTAL MFG. CO., INC.
 18 N. LEE, OKLAHOMA CITY, OKLAHOMA

WARRANTY

International Crystal Manufacturing Company warrants the parts and tubes in any International Citizen Transceiver to be free from defects in workmanship and material arising from normal usage. Its obligation under this warranty is limited to replacing any such parts or tubes of the receiver which, after regular installation and under normal usage and service, shall be returned within ninety (90) days from the date of original purchase of the set to the authorized dealer from whom the purchase was made and which shall be found to have been thus defective in accordance with the policies established by International Crystal Manufacturing Company.

The obligation of International Crystal Manufacturing Company is limited to making replacement parts available to the purchaser, and does not include either the making or the furnishing of any labor in connection with the installation of such replacement parts nor does it include responsibility for any transportation expense.

International Crystal Manufacturing Company assumes no liability and shall not be liable in any respect for failure to perform or delay in performing its obligations with respect to the above warranty if such failure or delay results, directly or indirectly, from any preference, priority or allocation order issued by the Government or because of any other act of the Government, or by war, conditions of war, inadequate transportation facilities, conditions of weather, acts of God, strikes, lockouts, Governmental controls, or Internationals reasonable requirements for manufacturing purposes, or any cause beyond its control or occurring without its fault, whether the same kind or not.

CONDITIONS AND EXCLUSIONS

This warranty is expressly in lieu of all other agreements and warranties expressed or implied, and International Crystal does not authorize any person to assume for it the obligations contained in this warranty and neither assumes nor authorized any representative or other person to assume for it any other liability in connection with such International units or parts or tubes thereof.

The warranty herein extends only to the original consumer purchaser and is not assignable or transferable and shall not apply to any transceiver or parts or tubes thereof which have been repaired or replaced by anyone else other than an authorized International dealer, service contractor or distributor, or which have been subject to alteration, misuse, negligence or accident, or to the parts or tubes of any receiver which have had the serial number or name altered, defaced or removed.

International Crystal Manufacturing Company is under no obligation to extend this warranty to any unit for which an International registration card has not been completed and mailed to the Company within fifteen (15) days after date of purchase.

UNAUTHORIZED PRACTICES IN BUSINESS AND CITIZENS RADIO SERVICES

An increasing number of reports have reached the Commission concerning the practice of some suppliers of Business and Citizens Radio Services equipment to advise their customers that such equipment may be operated by them prior to the issuance of a radio station license by the Commission. In some instances, sellers have "assigned" radio station call signs to purchasers in conjunction with the sale of radio apparatus and, in a few such cases, these call signs have been identical with those authorized to be used by the manufacturer or seller of the equipment.

A radio station license is required for the use or operation of a radio station in the Business and Citizens Radio Services by Section 301 of the Communications Act. With the exception of certain low power equipment described in Part 15 of the Commission's Rules, the operation of any radio transmission apparatus by a person other than the one to whom the Commission has issued a radio station license is illegal and may result in the imposition of severe criminal sanctions (one year in prison or \$10,000 fine, or both) or in the institution of other enforcement action by the Commission.

Under Section 310 (b) of the Communications Act, the prior consent of the Commission is required for the transfer or assignment of any radio station license or the rights granted thereunder. One who fails to observe this provision by the purported transfer of his operating authority subjects himself to possible license revocation and such other enforcement action as the Commission may consider warranted by the circumstances. The denomination of such unlawful activities as "equipment demonstrations" does not render them less illicit.

This matter is being brought to the attention of manufacturers, distributors and retail vendors of Business and Citizens Radio Service communication equipment in the belief that they share the Commission's conviction that the orderly development of these dynamic special radio services is hampered by the above-described practices and that one who engages in such practices, in addition to the possibility of having drastic enforcement action instituted against him, may be sacrificing for the benefit of an immediate sale the long range good will of a misadvised customer.

It is requested that the foregoing be brought to the attention of the personnel in all organizations concerned in any way with the sale, maintenance or use of Business or Citizens Radio Stations in order that a prompt cessation of unlicensed operation of radio stations in these services may be brought about.

F.C.C. RULES & REGULATIONS

PART 19.72 POSTING OF STATION LICENSE

- (b) The current authorization of each citizens radio station operated as a mobile station or operated at temporary locations may be retained in the permanent records of the station and need not be posted; However, an executed Transmitter Identification Card (FCC Form 452-C, Revised) shall be affixed to each transmitter which is operated as a mobile station or is operated at temporary locations, and to the control equipment of each such transmitter in every case where such transmitter is not in view from the location from which the station is controlled.
- (c) The following information shall be entered on each Transmitter Identification Card (FCC Form 452-C, Revised) which is used for transmitter or station identification in accordance with the foregoing:
- (1) Name of the station licensee;
 - (2) Station call sign assigned by the Commission (see 19.62);
 - (3) Exact location or locations of the permanent station records;
 - (4) Frequency or frequencies upon which the associated transmitter is adjusted to operate; and
 - (5) Signature of the licensee.